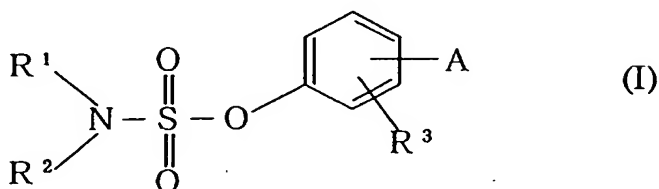


CLAIMS

1. A phenyl sulfamate derivative represented by the following formula, or a salt thereof.



wherein

R^1 and R^2 each independently represent a hydrogen atom or a lower alkyl group;

R^3 represents a hydrogen atom, a halogen atom, a lower alkyl group, $-\text{OSO}_2\text{NR}^1\text{R}^2$, a lower alkanoylamino group, a nitro group or a cyano group; and

A represents a substituted or unsubstituted phenyl group, a naphthyl group, a pyridyl group, 2-substituted thiazol-4-yl group, 3-substituted isoxazol-5-yl group, 1-cyano-2-(substituted or unsubstituted phenyl)vinyl group, 2-cyano-2-(substituted or unsubstituted phenyl)vinyl group, or a group of the formula $-\text{X}-\text{NR}^4\text{R}^5$ [in which X represents CO or CH_2 , R^4 represents a hydrogen atom, a lower alkyl group, a substituted or unsubstituted phenyl group, a lower alkanoyl group, a substituted or unsubstituted phenylcarbonyl group, a heteroarylcarbonyl group, a lower alkylsulfonyl group, a sulfamoyl group, a lower alkanoylamino group, a di(lower alkyl)amino group, a heteroaryl group, a heteroaryl-substituted lower alkyl group, or a substituted or unsubstituted phenylmethyl group, and R^5 represents a hydrogen atom, a substituted or unsubstituted phenyl group, or a substituted or unsubstituted phenylcarbonyl group, provided that

① when X represents CO, R^4 represents a group other than a lower alkanoyl group, a substituted or unsubstituted phenylcarbonyl group, a heteroarylcarbonyl group, a lower alkylsulfonyl group, and a sulfamoyl

group, and R^5 represents a group other than a substituted or unsubstituted phenylcarbonyl group;

② when R^4 represents a lower alkanoyl group, a substituted or unsubstituted phenylcarbonyl group, a heteroarylcarbonyl group, a lower alkylsulfonyl group, or a sulfamoyl group, X represents CH_2 and R^5 represents a group other than a substituted or unsubstituted phenylcarbonyl group; and

③ when R^5 represents a substituted or unsubstituted phenylcarbonyl group, X represents CH_2 and R^4 represents a group other than a lower alkanoyl group, a substituted or unsubstituted phenylcarbonyl group, a heteroarylcarbonyl group, a lower alkylsulfonyl group, and a sulfamoyl group]; or

R^3 and A, together with the phenyl group to which they are attached, represent a fluoren-2-yl or 9-oxofluoren-2-yl group; provided that, when R^3 represents a hydrogen atom, A does not represent an unsubstituted phenyl group.

2. A phenyl sulfamate derivative or a salt thereof as claimed in claim 1 wherein both R^1 and R^2 represent hydrogen atoms.

3. A phenyl sulfamate derivative or a salt thereof as claimed in claim 1 or 2 wherein R^3 represents a hydrogen atom or a halogen atom.

4. A phenyl sulfamate derivative or a salt thereof as claimed in any of claims 1 to 3 wherein A is located at the 4-position.

5. A phenyl sulfamate derivative or a salt thereof as claimed in any of claims 1 to 4 wherein A represents a substituted phenyl group or a group of the formula $-X-NR^4R^5$.

6. A phenyl sulfamate derivative or a salt thereof as claimed in

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claim 5 wherein the substituted phenyl group is a phenyl group substituted by one or two substituents selected from halogen, lower alkyl, halogen-substituted lower alkyl, cyano-substituted lower alkyl, lower alkoxy, lower alkanoyloxy, $-\text{OSO}_2\text{NR}^1\text{R}^2$, organic sulfonyloxy, amino, lower alkanoylamino, $-\text{NHSO}_2\text{NR}^1\text{R}^2$, organic sulfonylamino, nitro, cyano, carboxyl and lower alkoxycarbonyl.

7. A phenyl sulfamate derivative or a salt thereof as claimed in claim 6 wherein, in the substituted phenyl group, the substituent or substituents are located at the 2- and/or 4-positions of the phenyl group.

8. A phenyl sulfamate derivative or a salt thereof as claimed in claim 5 wherein A represents a group of the formula $-\text{X}-\text{NR}^4\text{R}^5$ and R^4 represents a hydrogen atom, a lower alkyl group or a heteroaryl group.

9. A phenyl sulfamate derivative or a salt thereof as claimed in claim 8 wherein the heteroaryl group is a five- or six-membered monocyclic heteroaryl group containing 1 to 3 nitrogen atoms.

10. A phenyl sulfamate derivative or a salt thereof as claimed in claim 5 wherein R^5 represents a substituted phenyl group.

11. A phenyl sulfamate derivative or a salt thereof as claimed in claim 10 wherein the substituted phenyl group is a phenyl group substituted by one or two substituents selected from hydroxyl, lower alkanoyloxy, $-\text{OSO}_2\text{NR}^1\text{R}^2$, nitro and cyano.

12. A steroid sulfatase inhibitor containing, as an active ingredient, a phenyl sulfamate derivative of formula (I) or a salt thereof as claimed in any of claims 1 to 11.

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13. An agent for the treatment of breast cancer, corpus uteri cancer, endometrial hyperplasia, infertility, endometriosis, adenomyosis uteri, autoimmune diseases, dementia or Alzheimer's disease, which contains, as an active ingredient, a phenyl sulfamate derivative of formula (I) or a salt thereof as claimed in any of claims 1 to 11.

14. A pharmaceutical composition comprising a phenyl sulfamate derivative of formula (I) or a salt thereof as claimed in any of claims 1 to 11, and a pharmaceutically acceptable adjuvant.

15. The use of a phenyl sulfamate derivative of formula (I) or a salt thereof as claimed in any of claims 1 to 11, for the prophylaxis or treatment of breast cancer, corpus uteri cancer, endometrial hyperplasia, infertility, endometriosis, adenomyosis uteri, autoimmune diseases, dementia or Alzheimer's disease.

16. A method for the prophylaxis or treatment of breast cancer, corpus uteri cancer, endometrial hyperplasia, infertility, endometriosis, adenomyosis uteri, autoimmune diseases, dementia or Alzheimer's disease in a human being or other mammal which comprises administering a phenyl sulfamate derivative of formula (I) or a salt thereof as claimed in any of claims 1 to 11, to the human being or other mammal.

17. The use of a phenyl sulfamate derivative of formula (I) or a salt thereof as claimed in any of claims 1 to 11, for the preparation of an agent for the treatment of breast cancer, corpus uteri cancer, endometrial hyperplasia, infertility, endometriosis, adenomyosis uteri, autoimmune diseases, dementia or Alzheimer's disease.

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